

## **AMENDMENTS TO THE ABSTRACT**

***Please amend the Abstract on page 32 of the specification as follows:***

A method for the detection of ionizing radiation including ~~comprises the steps of~~ (i) directing ionizing radiation towards an object to be examined, ~~;~~ (ii) ~~preventing Compton scattered radiation, preferably at least 99% of the radiation Compton scattered in said object, from being detected;~~ and (iii) ~~detecting ionizing radiation spatially resolved as transmitted through the said object to reveal a spatially resolved density of the said object;~~ The wherein said ionizing radiation is provided within a spectral range such that more, ~~preferably much more,~~ photons of the said ionizing radiation are Compton scattered than absorbed through the photoelectric effect in the said object, ~~to thereby~~ reducing ~~reduce~~ the radiation dose to the said object.

(Fig. 1)